

Before, During or After?

Ercules crewmen, the engine oil level check in TM 9-2350-292-10 is no longer an after-operation check. To get the best possible reading, the check needs to be done **before** and **during** operations.

It's going to be a while before the TMs can be updated, so cross out the after-operation check that starts on Page 2-49 and pencil in the new checks to your -10 TM.

Before Operation

The new before-operation check will be Item No. 4.1 on Page 2-26.1 of the

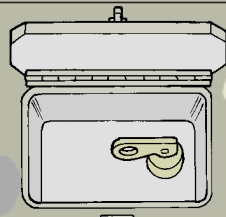
-10 TM. Here's what you'll see:

CAUTION

Perform engine oil check with vehicle on a level surface and engine stopped for at least two hours. Do not use **ENG. IDLING RANGE** side of oil gauge rod to measure engine oil level. Use of **ENG. IDLING RANGE** side of oil gauge rod could result in equipment damage.

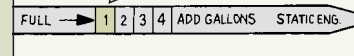
- Park vehicle on a level surface.
- Open engine deck door (page 2-112).
- Open engine oil check access door.
- Open **ENGINE OIL LEVEL** door.

Open engine oil level access door and remove oil gauge rod



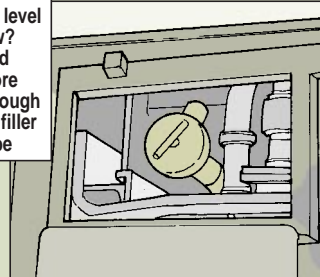
- Remove oil gauge rod and wipe clean. Insert oil gauge rod in gauge tube. Remove oil gauge rod. Verify oil level on **STATIC ENG.** side of oil gauge rod is between **FULL** and 1-gallon range.

STATIC ENG side of rod should read between **FULL** and 1 gallon



- If oil level is below **FULL**, add the amount in gallons indicated on the oil gauge rod. To add proper grade oil (Appx F), open engine oil fill access door, and add oil through engine oil filler tube.

Oil level low? Add more through oil filler tube



During Operation

The new during-operation check will be Item No. 15.1 on Page 2-34.1

of the -10 TM. Except for the addition of a **CAUTION** and **NOTE** at the start of the check, it's a carbon copy of the after-operation check that starts on Page 2-49.

Add the following:

CAUTION

This engine oil level check method should only be used when it is impractical to wait at least two hours with the engine stopped.

NOTE

Check oil level during extended missions at least every 8 hours with engine running. Verify oil level using engine stopped method (Page 2-26.1) as soon as possible.

Oil Change Change

The main engine crankcase oil change procedure in TM 9-2350-292-20-1 is being modified, too.

First, cross out the artwork that shows the **ENG. IDLING RANGE** side of the oil gauge rod at the bottom of Page 2-43.

Next, rewrite step **O** to read:

- Start engine (TM 9-2350-292-10) and allow to idle at 1000–1200 rpm until temperature gauge indicates 150°F (65°C). Shut down engine and wait at least two hours. Remove oil gauge rod (12), clean oil gauge rod (12), insert oil gauge rod (12) and verify oil level on **STATIC ENG.** side of oil gauge rod (12) is between **FULL** and 1-gallon range. If required, add additional oil to engine oil filler tube. Install oil gauge rod (12).

